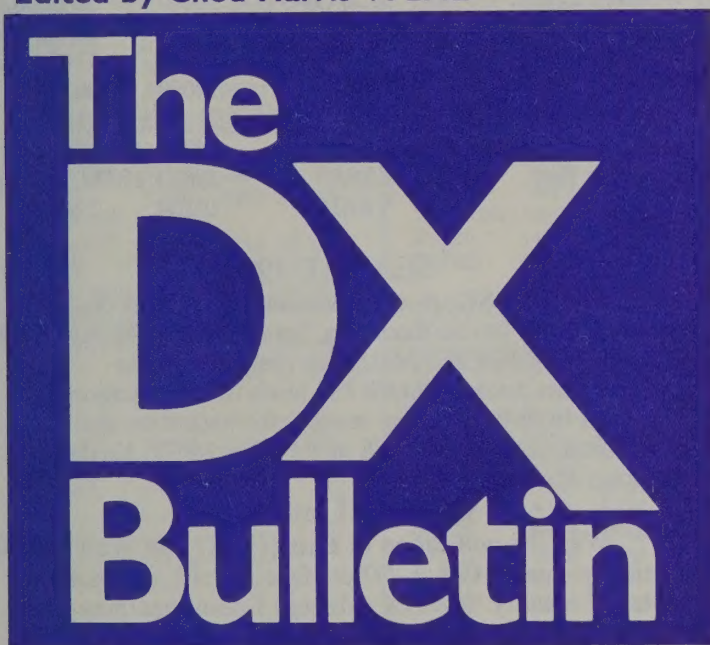


**Chatham Island - ZL7** Ron Wright ZL1AMO is active as **ZM7AMO** (OC-38) until Sept. 23. Reports show him on 28025 around 0000Z, 21026 and 18074 at 03-0400Z, 24902 at 0430Z, and 14028 at 13-1400Z. Ron listens below his transmit frequency on CW, as well as 'up.' Sunrise 1800Z, sunset 0545Z. QSL direct to ZL1AMO.

**Ascension Island - ZD8** Steve Sutterer AKØM returns to Ascension (AF-03) as **ZD8S** now through Sept. 30. Mostly CW local evenings. Also he'll try the low bands 0530-0600Z. QSL home call. Sunrise 0700Z, sunset 1852Z.

**Pacific** Steve VE3SMA and John VE3RMM will hop around the western Pacific in October. Oct. 9-16 in **Belau KC6** (ex-Western Carolines), Oct. 16-21 and 24-31 in **Micronesia V6** (ex-Eastern Carolines), and Oct. 31-Nov. 4 from the **Marshall Islands V7**. CQWW SSB multi-single effort from V6. QSL VE3JDO.

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

## Reserve Your Island - CQWW

- **ZF1RY**: Eddie Schneider W6/GØAZT will be active in the CQWW RTTY test Sept. 29-30. He'll be there Sept. 26-31, with some SSB outside the test. QSL direct only, with return postage, to Box 5194, Richmond CA 94805.
- **ZF2JI** in the CQWW SSB test will be John Attaway K4IIF, long-time CQ DX editor. QSL to KG6AR.
- **ZF2JR** in CQWW SSB is Jim Rafferty N6RJ, operating 40-meter single band. QSL to Jim's home call.
- **P4ØR** on Aruba for CQWW SSB will be single-oped by Bob K4UEE. Some CW and new-band activity before the test, Oct. 25-26. QSL home call.
- **P4ØA** also on Aruba for the CQWW SSB is Bill Ovca N1GL, also single-op, all-band. QSL to KA1XN.
- **J37DX** in the CQWW SSB test from Grenada by the SouthWest Ohio DX Association is looking for a couple more operators. Contact Harry W8KKF for details.

## Shortly Noted

- **ZC4HMS** from the Sovereign Bases during October commemorates 25 years of the RNARS, with Glyn G4MVA operating. QSL via the bureau, or to G4SSH.
- **9L-/GØGWA** Simon has operated from all four Sierra Leone call areas (9L1-9L4). Pay attention to his portable designator. QSL home call.
- **DL7FT** says he'll be active from the 'South Indian Ocean' Sept. 28-Oct. 8. QSL direct only to home call.
- **7Ø7KG** by the Colvins appeared as expected from Malawi. Try 14020 kHz at 0345Z and 1730Z, 28010 at 1330-1500Z, and 28440 kHz at 1500Z, as well as Iris in DX nets. QSL Yasme, P.O.Box 2025, Castro Valley CA 94546, of course.
- **ZL15ØA** will be active Oct. 6-13, including the Oceania contest. QSL SSB QSOs to ZL1AAS, and CW ones to ZL1AMO. (Thanks W1AW.)
- **9Q5TE** skeds 7P8EG and V51E weekdays on 7066 or 7056 kHz at 0430Z, and then listens for US calls on 7178 kHz. After 40, Gus moves to 14190 kHz. CW on request.
- **VS6WU** is often on 24892 kHz at 1400Z Sundays.
- **7J1ADJ/JD1** is on Minami Torishima to Sept. 21, in SSB nets, with some CW and RTTY. QSL to KB1BE.
- **HBØ/PA3EZX** and /PA3FQA will be active Sept. 27-30, mostly 10-meter CW and SSB. QSL home calls.
- **FRØP** is a special call active Oct. 28-Nov. 10. CW, SSB, and RTTY, 10-160 meters, including the new bands.
- **J28RQ** is FD1ØRQ. Try 14118, 21218, and 28480 kHz, with CW on request. (Thanks LNDX.)
- **Pirates** recently active include XU1CW, 1Z9ØCW, 3CØA, P5DX, and XU1DX. (XU8DX is legit; QSL JA1NUT.)
- **SSB net** check-ins: 14227 kHz: YJ8RN N6BUV/KHØ C21JM VS6VO 3B8AD 4S7EF 3D2EA; 14256: VP8BXK (South Orkneys) 5R8JD J5CVF VP8CED (Falklands); 21335: TZ6AS 3B9FR.
- **RTTY report**: 8P8HR is very active on 21083 kHz at 1300Z. QSL K4BAI. Other reports: UJ8JCQ 21087 kHz at 0645Z; VQ9RB 28088 1330Z; YI1BGD! 21073 ARQ 1700Z; HV3SJ 28089 1715Z; 5Z4BI 21081 2045Z; 5NØETP 14084 2130Z; FR4FR 21074 ARQ 1715Z; VU2SVJ 21089 1732Z; ZB8BOB 21074 ARQ 2050Z; TU2QQ 14074 ARQ 2215Z; CEØZIG 21074 ARQ 2310Z; 3B9FR 14084 1950Z; FK8BG 14069 ARQ 0930Z; and J28TY 21072 ARQ 1745Z.
- **Islands On The Air**: Some Belize hams will operate from Turneffe Islands (NA-123) Nov. 21-25 as V31TI. Operators for this first-ever activation of Turneffe are Scotty V31SW, Gary V31KX, and Kristin V31YL. They'll concentrate on the IOTA frequencies of 14260, 21260, and 28460 kHz. QSL direct only (the bureau in Belize doesn't work) to Scott Williams, P.O.Box 1522, Belize City, Belize, with 3 IRCs or US\$1. (Scotty is new to IOTA, and is very excited about the possibility of putting a New One on the air.) Some recent spots: UAØIBB/A (AS-59) 14003 0048Z; ESØWN (EU-34) 14017 0430Z; UAØQX/A (AS-70) 14006 0515Z; AL7HS/KL7 (NA-28) 14260 0515Z; F6HMJ (EU-48) 14191 1030Z; EKØAC (AS-44) 14010 1045Z; and JI1GRU (AS-43) 21170 0700Z. GØKJW/M expects to operate from the Isles of Scilly (EU-11) Sept. 20-23, mainly 15- and 20-meter SSB.



## Propagation

### Forecast and Historical Data

Day Forecast	27 Days Before	55 Days Before
September 1990	Date Flux A K	Date Flux A K
21 High Normal	08/25 294 06/13 2	07/28 183 56/76 6
22 Disturbed	08/26 315 40/44 4	07/29 173 50/61 3
23 High Normal	08/27 257 17/14 3	07/30 181 12/12 2
24 Above Normal	08/28 240 06/07 1	07/31 176 06/09 1
25 High Normal	08/29 216 09/14 3	08/01 194 18/22 4
26 Low Normal	08/30 206 29/28 3	08/02 199 10/12 1
27 High Normal	08/31 182 24/19 2	08/03 186 09/14 2
28 Low Normal	09/01 167 26/23 3	08/04 183 08/10 2
29 High Normal	09/02 165 00/08 0	08/05 174 06/08 2
30 High Normal	09/03 157 03/10 1	08/06 166 09/09 3
October 1990		
1 High Normal	09/04 160 08/11 2	08/07 166 07/09 2

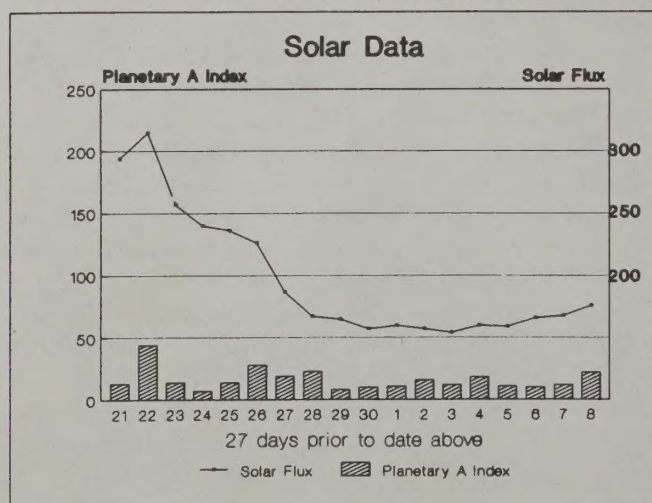
### Propagation Watch

The sunspot number for August was 199.9, the highest yet for Cycle 22, surpassing the figure for June, 1989, when the solar flux also topped 300. While this will pull the 13-month smoothed sunspot number up for a while, DXers should not interpret this to mean we haven't reached the peak of Cycle 22. The high reading for August is just a hint of the good things coming over the next year or two, as Sunspot Cycle 22 begins its slow decline.

Although the solar flux didn't soar back above 300 this month, propagation remained quite good. The relatively high flux figures, along with seasonal effects, have spelled good conditions on all but polar paths. The higher bands have been, and should continue to be, very good daytime bands. 10 and 12 meters open soon after local sunrise, and can be open worldwide at times. 15 and 17 meters remain open after local sunset, and can show a weak, but workable opening to the east and northeast after dark. The long path to the west and southwest around local dawn on 20, 30, and even 40 meters continues to be filled with strong long-haul DX.

An active geomagnetic field has hurt the polar and high-latitude paths, weakening signal strengths and lowering maximum useable frequencies (MUFs), but some of the stronger signals still get through, especially a hour or so after local sunset on 20 meters.

Solar activity should decline to a 27.5-day minimum in early October, but seasonal improvement means the bands should remain very good. Look for better low-band openings as the days shorten in the northern hemisphere. Try 80 meters after a couple of days of low geomagnetic activity.



## Regulars

■ Algeria	7X2FK	14200±	0520Z
■ Algeria	7X2CR	21025	1800Z
■ Ascension Island	ZD8LII	15M CW	2030Z
■ China	BY4RB	21023	0130Z
■ Djibouti	J28NU/P	28010	1930Z
■ Estonia	ES1QD	24903	1600Z
■ Gabon	TR8BY	28020	11-1630Z
■ Ivory Coast	TU2QW	28460	1200Z
■ Johnston Island	AH3C	14026	03, 1400Z
■ Kenya	5Z4BI	28490	1930Z
■ Kerguelen	FT5XA	10M SSB	1400Z
■ Malawi	7Q7RM	14015	1300Z
■ Mali	TZ6VV	28430	2130Z
■ Mauritius	3B8CF	24895	14-1700Z
■ Mayotte	FH5EJ	10M CW	1900Z
■ Oman	A41JV	15M CW	2100Z
■ Reunion Island	FR5DX	14185±	03, 12Z
■ Reunion Island	FR5DX	28500±	1430-20Z
■ Rodriguez Island	3B9FR	15M CW	17-1900Z
■ Sierra Leone	9L2/GØGWA	10101	22-0100Z
■ Sri Lanka	4S7CF	14004	0045, 14Z
■ Sri Lanka	4S7WP	18070	1145, 19Z
■ Sri Lanka	4S7EA	14009	0015Z
■ Sudan	WZ6C/ST4	21007±	0100Z
■ United Arab Emirates	A61AD	14200±	1345Z
■ Walvis Bay	ZS9A	28610	1500Z Sunday
■ Zone 26	VK6HD	10104	2245Z

## SEANET 1990

The 1990 SEANet convention will be held Nov. 10-12 at the Holiday Inn in Kuching, Sarawak, East Malaysia. The Sarawak branch of the Malaysian Amateur Radio Transmitters' Society (MARTS) hosts this convention, the first even in 9M8-land. For more information on the convention, contact MARTS at P.O.Box 10777, Kuala Lumpur, Malaysia.

## German Unification

With the unification of East (GDR) and West (FRG) Germany coming Oct. 3, DXers face at least one more [deleted] country. The DX Advisory Committee may treat this event as the annexation of GDR by FRG, which would delete GDR, or as a 'unification,' which would delete both FRG and GDR, and form a New One. Or they may even resurrect the 'old' Germany from before 1973. In any case, work GDR now; at a minimum, GDR will disappear from the DXCC countries list, effective Oct. 3, 1990.

## Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, 9M8FH, AA4MM, AA6WJ, DA2AA, DXPress, GØAZT, K2AJY, K2PEQ, K3ZPG, K4GLU, K4II, K4IQJ, K4LNA, K4UEE, K6IR, K7ABV, K7UOT, K8CV, KA1XN, KA6V, KD7SO, KF6HI, KG6AR, KJ4BK, KJ6RQ, KK6H, KM9J, KQ3S, KR1S, KT7H, LNDX, Longpath, N1GL, N1HN, N2GBH, N2GLH, N5AHS, N6IBP, N6JM, N6RJ, N8FU, NZ9R, V3ISW, VE1RJ, VE3RMM, VE7COP, W0JRN, W1AW, W1BFT, W1BWS, W1CNU, W1NFT, W4VQ, W6JOX, W6UQF, W7AYY, W7AYY, W8KKF, W9DH, WAØRJY, WA1NPZ, WA2MZX, WB5KYK, WB5MTV, WB8SFF, WB8ZRL, WC6I, WDØCHW, WD9GGY, WO6R, WY2V, and NCDXC. Thanks!



*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. \* = long path. P = packet. All "portable" calls listed with country of operation first, regardless of format used on the air.*

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September 21, 1990 - Issue 556 ■



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(ISSN 0279-8077) is published fifty times  
per year at P.O. Box 50, Fulton CA 95439.  
Telephone (707) 523-1001. Fax: (707) 523-1001.  
Compu-Serve 75755,737. One-year subscription  
rates are \$29 Second Class Mail, \$38 First  
Class Mail, US\$50 Foreign Airmail. Second  
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## FIRST CLASS MAIL

# Calendar

Issue 556 - September 21, 1990

(Changes and hot info in boldface.)

Algeria - 7X	7X2FK 14200 ± 0520Z	I556	by VE3s Oct. 31-Nov. 4	I556	
	7X2CR 21025 1800Z	I556	3B8CF 18077/0330Z 14034/1200Z	I555	
Anguilla - VP2E	VP2EBN Oct. 1-8	I552	3B8CF 24895 14-1700Z	I556	
Armenia - UG	UG6GAW 14009 02-0300Z	I554	FH5EJ 28021 14-1900Z	I556	
Ascension - ZD8	ZD8LII 15M CW 2030Z	I556	by VE3s Oct. 16-21, 24-31	I556	
	ZD8Z 24896/18Z 21034/20Z	I555	7J1ADJ/JD1 now	I556	
	ZS8S on CW to Sept. 30	I556	FK8GJ 14020 ± 1100Z	I554	
Asiatic RSFSR	4K4QQ 20M CW 1800Z	I555	YN1CC 18078 2200Z	I554	
	EKØAC 14012 kHz 1000Z	I555	SMØOIG/YN 14006 2330Z	I554	
Bahamas - C6	WA2ICE/C6A Oct. 6-13	I555	FK8GJ 14020 1230Z	I553	
Belau - KC6	by VE3s Oct. 9-16	I556	YN1CC 18078 2200Z	I554	
Bermuda - VP9	K1EFI/VP9 Sept. 21-Oct. 2	I554	JH1QDB/JD1 Sept. 22-30	I551	
Botswana - A2	A22AA 14200 ± /15Z 21235 ± /16Z	I555	A41JV 15M CW 2100Z	I556	
Burkina Faso - XT	XT2BW 21245 ± 0100Z	I555	FR5DX 14185 ± /03, 12Z, 28500 ±	I430Z	
Canary Islands - EA8	EA8FO 18071 2350Z	I555	FR5DD 20M CW 0300Z	I555	
Chatham Island-ZL7	ZL7AMO to Sept. 23	I556	Rodriguez Island - 3B9	3B9FR 14027/13Z 21010/17-19Z	I556
China - BY	BY4RB 21024/0130Z, 14027/12Z	I556	Romania - YO	YO3CD 10103/23Z 24900/16Z	I555
Comoros - D6	D68WD 14154 0345Z	I555	Rwanda - 9X	9X5HG 21060/21Z 21210 ± /0015Z	I556
Djibouti - J2	J28NU 28010 1930Z	I556	Sierra Leone - 9L	9L-/GØGWA 10101 22-0100Z	I556
	J28RQ now active	I556	Singapore - 9V	9V1JY 14015 ± 1100Z	I555
Dodecanese - SV5	SVØHM Sept. 14-26 CW only	I555	South Georgia - VP8	VP8CDJ now	I554
Equatorial Guinea	3C1EA 21037 2230Z	I555	South Sandwich - VP8	Nov. 20-Dec. 13 VP8SSI	I545
Estonia - ES	ES1QD 24903 1600Z	I556	Sovereign Bases - ZC4	ZC4HMS in October	I556
Europa - FR/E	FR5ZU/E Sept. 23-30?	I555	Sri Lanka - 4S	4S7CF 14004 0045Z, 1400Z	I556
Gabon - TR	TR8BY 28020 11-1630Z	I556		4S7WP 18070 1145Z, 1900Z	I556
Gough Island - ZD9	ZD9BV 28466 17Z, 75M 0630Z	I553		4S7EA 14009 0015Z	I556
	ZD9CN 28530/21300 12-1730Z	I553	Sudan - ST	WZ6C/ST4 10M CW 1830-2200Z	I555
Guyana - 8R	8R1RBF 28510 1800Z	I554		WZ6C/ST4 21007 ± 0100Z	I556
Hong Kong - VS6	VS6/K9EL 20M CW 1130Z	I555	Syria - YK	YU3PR/4U, YU4OO/4U now	I554
India - VU	VU2TH 14020 ± 0030Z	I555	Taiwan - BV	BV2TA 20M CW 10-1200Z	I555
	VU2GI 21270 0200Z	I555		BV2VB 14173 1100Z	I555
Ivory Coast - TU	TU2QW 28460 1200Z	I556	Thailand - HS	HSØAIT/HSØAC Oct. 4-20	I553
Johnston Island - KH3	AH3C 28487/01Z 14026/03, 14Z	I556		HSØAC 14025 1030Z	I555
Kenya - 5Z	5Z4BI 28490 1930Z	I556	United Arab Emirates	A61AD 14200 ± /14Z, 15M SSB	16Z
Kerguelen - FT-X	FT5XA 10M SSB 1400Z	I556	Wake Island - KH9	WA4CSK/KH9 Sept. 18-27	I554
Liechtenstein - HBØ	HBØ/HB9NL to Oct. 20	I555	Walvis Bay - ZS9	ZS9A 28610 1500Z Sunday	I556
	HBØ/PA3s EZX, FQA Sept. 27-30	I556	Zambia - 9J	9J2BO 20M CW 1200Z	I555
Malawi - 7Q	7Q7XB Sept. 14-22	I553			
	7Q7KG by Colvins now	I555	DX Gatherings and Contests		
	7Q7RM 14015 1300Z	I556	Sept. 29-30	CQWW RTTY Contest	CQ
Malaysia - 9M	9M2AX 14030 1100Z	I555	Sept. 29-30	RSGB HF Convention, Daventry	I548
Mali - TZ	TZ6VV 28430 2130Z	I556	Oct. 6-7	California QSO Party	CQ
Malpelo - HKØ	HKØTU Nov. 3-7	I551	Oct. 6-7	VK-ZL-Oceania SSB Test	I557
Malta - 9H	9H1XX Sept. 23-Oct. 21	I552	Oct. 13-14	VK-ZL-Oceania CW Test	I557
Marshall Islands - V7	V73AZ 14026 1100Z	I554	Oct. 27-28	CQWW SSB Contest	CQ

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